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(54) Title: COSMETIC OR DERMOPHARMACEUTICAL COMPOSITIONS COMPRISING TYRAMINE DERIVATIVES,
METHOD FOR PREPARING SAME, AND USE THEREOF

(54) Titre : COMPOSITIONS COSMETIQUES OU DERMOPHARMACEUTIQUES COMPRENANT DES DERIVES DE LA
TYRAMINE, LEUR PROCÉDE DE PREPARATION, ET LEUR UTILISATION

(57) Abstract: The invention concerns cosmetic or dermopharmaceutical compositions comprising tyramine derivatives and their
salts. The invention also concerns the method for preparing same and use thereof for reducing pigmentation.

(57) Abrégé : La présente invention concerne des compositions cosmétiques ou dermopharmaceutiques renfermant des composés
dérivés de la tyramine et leurs sels. La présente invention concerne également leur procédé de préparation, et leur utilisation ayant
pour objectif une diminution de la pigmentation.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07C233/18 C07C231/02 C07C303/38 C07C311/17 C07C275/24
C07C273/18 A61K7/48 A61K31/192 A61K31/18 A61K31/17
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)
EPO-Internal, BEILSTEIN Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 258 058 A (WITTE ERNST-CHRISTIAN ET AL) 24 March 1981 (1981-03-24) column 7, line 65 -column 8, line 15	13
X	DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; Database accession no. 3379913 XP002234001 abstract & WALPOLE: JOURNAL OF THE CHEMICAL SOCIETY., vol. 97, 1910, page 946 CHEMICAL SOCIETY, LONDON, GB ISSN: 0368-1769	13

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/FR 03/01950

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		Relevant to claim No.
Category *	Citation of document, with indication, where appropriate, of the relevant passages	
X	<p>DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; Database accession no. 3410716 XP002234002 abstract & RAO: JOURNAL OF THE INDIAN CHEMICAL SOCIETY., vol. 18, 1941, pages 316-319, THE INDIAN CHEMICAL SOCIETY, CALCUTTA., IN ISSN: 0019-4522</p>	13
X	<p>DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; Database accession no. 5880163 XP002234003 abstract & ALIG, L ET AL: JOURNAL OF MEDICINAL CHEMISTRY., vol. 35, no. 23, 1992, pages 4393-4407, AMERICAN CHEMICAL SOCIETY., US ISSN: 0022-2623</p>	13
X	<p>DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; Database accession no. 8341940 XP002234004 abstract & LIMA, L M ET AL: PHARMACEUTICA ACTA HELVETIAE., vol. 73, no. 6, 1999, pages 281-292, XX, XX ISSN: 0031-6865</p>	13
X	<p>DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; Database accession no. 8915882 XP002234005 abstract & BARN, D R ET AL: BIOORGANIC & MEDICINAL CHEMISTRY., vol. 9, no. 10, 2001, pages 2609-2624, ELSEVIER SCIENCE LTD., GB ISSN: 0968-0896</p>	13

-/-

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/F/8/01950

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		Relevant to claim No.
Category *	Citation of document, with indication, where appropriate, of the relevant passages	
X	DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; Database accession no. 6286015 XP002234006 abstract & PARINI, C ET AL: STEROIDS, vol. 46, no. 4,5, - 1985 pages 903-914, BUTTERWORTH-HEINEMANN, STONEHAM, MA, US ISSN: 0039-128X	13
X	DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; Database accession no. 9058987 XP002234007 abstract & SUN, WON-SUCK ET AL: JOURNAL OF ANTIBIOTICS., vol. 54, no. 10, 2001, pages 827-830, JAPAN ANTIBIOTICS RESEARCH ASSOCIATION. TOKYO., JP ISSN: 0021-8820	10-13
X	DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; Database accession no. 2774642 XP002234008 abstract & TANAKA ET AL: YAKUGAKU ZASSHI - JOURNAL OF THE PHARMACEUTICAL SOCIETY OF JAPAN, vol. 87, 1967, pages 14-21, NIHON YAKUGAKKAI, TOKYO., JP ISSN: 0031-6903	13
X	DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; Database accession no. 2805816 XP002234009 abstract & TANAKA ET AL: YAKUGAKU ZASSHI - JOURNAL OF THE PHARMACEUTICAL SOCIETY OF JAPAN, vol. 87, 1967, pages 14-21, NIHON YAKUGAKKAI, TOKYO., JP ISSN: 0031-6903	13

-/-

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/E 8/01950

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; Database accession no. 2882110 XP002234010 abstract & RYCZEK, J: POLISH JOURNAL OF CHEMISTRY., vol. 70, no. 12, - 1996 pages 1518-1521, POLISH CHEMICAL SOCIETY., XX</p>	13
X	<p>DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; Database accession no. 8849001 XP002234011 abstract & JORDAN, A M ET AL: BIOORGANIC & MEDICINAL CHEMISTRY., vol. 9, no. 6, 2001, pages 1549-1558, ELSEVIER SCIENCE LTD., GB ISSN: 0968-0896</p>	13
X	<p>FR 2 813 188 A (SEDERMA SA) 1 March 2002 (2002-03-01) the whole document</p>	1,2,7-9, 13,15-17
X	<p>PATENT ABSTRACTS OF JAPAN vol. 2000, no. 16, 8 May 2001 (2001-05-08) & JP 2001 019607 A (KANEBO LTD), 23 January 2001 (2001-01-23) the whole document</p>	1,2,7-9, 13,15-17
A	<p>US 4 515 773 A (HERLIHY WALTER C) 7 May 1985 (1985-05-07) column 1, line 50 -column 2, line 23</p>	1-17

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/F/3/01950

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4258058	A	24-03-1981	DE 2809377 A1	13-09-1979
			AT 374172 B	26-03-1984
			AT 48381 A	15-08-1983
			AT 367745 B	26-07-1982
			AT 161979 A	15-12-1981
			AU 508419 B2	20-03-1980
			AU 4469379 A	06-09-1979
			CA 1136158 A1	23-11-1982
			CS 208774 B2	15-09-1981
			CS 208775 B2	15-09-1981
			CS 208776 B2	15-09-1981
			DD 142334 A5	18-06-1980
			DE 2960222 D1	23-04-1981
			DK 81579 A ,B,	05-09-1979
			EP 0004011 A1	19-09-1979
			ES 478228 A1	16-05-1979
			ES 8603693 A3	01-05-1986
			FI 790727 A ,B,	05-09-1979
			HU 183085 B	28-04-1984
			IE 47972 B1	08-08-1984
			JP 1146844 C	12-05-1983
			JP 54122250 A	21-09-1979
			JP 57035910 B	31-07-1982
			NZ 189776 A	26-08-1980
			PL 213847 A1	01-12-1980
			PL 223895 A1	22-05-1981
			PT 69295 A	01-03-1979
			SU 1052157 A3	30-10-1983
			SU 1097194 A3	07-06-1984
			YU 48179 A1	28-02-1983
			YU 98186 A1	31-10-1986
			ZA 7900989 A	30-04-1980
FR 2813188	A	01-03-2002	FR 2813188 A1	01-03-2002
			AU 8413501 A	04-03-2002
			WO 0215871 A1	28-02-2002
JP 2001019607	A	23-01-2001	NONE	
US 4515773	A	07-05-1985	NONE	